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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

| In re Application of: BENDER |) TRANSMITTAL LETTER |
|--|--------------------------------------|
| Serial No.: 10/007,310 |) |
| Filing Date: November 30, 2000 |) Date Mailed: <u>March 18, 2002</u> |
| Attorney Docket No.: JB-301 |) Examiner: |
| Title: PULSED BLACKBODY RADIATION FLUX ENHANCEMENT | Group Art Unit:))) |
| | / |

TRANSMITTAL LETTER

Dear Examiner:

Washington, D.C. 20231

Enclosed please find the following documents related to the above-entitled patent application:

- 1. Information Disclosure Statement; <u>5</u> page(s)
- 2. IDS Form; <u>5</u> page(s)

Commissioner of Patents and Trademarks

- 3. Prior Art Documents; 60
- 4. Return Receipt Postcard.

Transmittal Letter

Filing Date: November 30, 2000 Date Mailed: March 18, 2002 Title: PULSED BLACKBODY RADIATION FLUX ENHANCEMENT

Ser. No.: 10/007,310 Attorney Docket No.: JB-301 Respectfully submitted,

Dated: March 18, 2002

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CERTIFICATE OF MAILING

I hereby certify that this paper and the documents attached hereto are being deposited in a postage prepaid, sealed envelope with the United States Postal Service using First Class Mail service under 37 CFR 1.08 on the date indicated and is addressed to "Commissioner of Patents and Trademarks, Washington, D.C. 20231". Signed: Mailed: March 18, 2002

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Commissioner of Patents and Trademarks Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

Dear Sir:

Pursuant to 37 C.F.R. 1.97 the Applicant submits the following information disclosure statement and the accompanying documents.

The Applicant has not caused the comprehensive search to have been made concerning the invention disclosed and claimed in the application; this information simply presents those items known to the Applicant which the Applicant considers material to an examination of this application.

As cited on the attached Information Disclosure Citation sheet, the accompanying documents include:

Information Disclosure Statement Filing Date: November 30, 2001 Date of mailing: March 18, 2002

Title: PULSED BLACKBODY RADITATION FLUX ENHANCEMENT

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Serial No.: 10/007,310 Attorney Docket No.: JB-301

- 1. U.S. Patent No. 4,141,830, class 210/63 issued Feb. 27, 1979 to Last;
- 2. U.S. Patent No. 4,179,616, class 250/527 issued Dec. 18, 1979 to Coviello et al.;
- 3. U.S. Patent No. 4,230,571, class 210/760 issued Oct. 28, 1980 to Dadd;
- 4. U.S. Patent No. 4,273,660, class 210/760 issued Jun. 16, 1981 to Beitzel;
- 5. U.S. Patent No. 4,274,970, class 210/748 issued Jun. 23, 1981 to Beitzel;
- 6. U.S. Patent No. 4,437,999, class 210/748 issued Mar. 20, 1984 to Mayne;
- 7. U.S. Patent No. 4,595,498, class 210/192 issued Jun. 17, 1986 to Cohen et al.;
- 8. U.S. Patent No. 4,787,980, class 210/638 issued Nov. 29, 1988 to Ackermann et al.;
- 9. U.S. Patent No. 4,792,407, class 210/748 issued Dec. 20, 1988 to Zeff et al.;
- 10. U.S. Patent No. 4,913,827, class 210/748 issued Apr. 3, 1990 to Nebel;
- 11. U.S. Patent No. 5,124,051, class 210/748 issued Jun. 23, 1992 to Bircher et al.;
- 12. U.S. Patent No. 5,130,031, class 210/748 issued Jul. 14, 1992 to Johnston;
- 13. U.S. Patent No. 5,151,252, class 422/186.3 issued Sep. 29, 1992 to Mass;
- 14. U.S. Patent No. 5,178,755, class 210/195.1 issued Jan. 12, 1993 to LaCrosse;
- 15. U.S. Patent No. 5,308,480, class 210/195.1 issued May 3, 1994 to Hinson et al.;
- 16. U.S. Patent No. 5,466,367, class 210/96.1 issued Nov. 14, 1995 to Coate et al.;
- 17. U.S. Patent No. 5,330,661, class 210/748 issued Jul. 19, 1994 to Okuda et al.;
- 18. U.S. Patent No. 5,547,590, class Aug. 20, 1996 to Szabo;
- 19. Auburn Journal, "Two chemists may have 'stumbled' onto MTBE solution", Jan. 2, 1998, 1 page;
- 20. Associated Press, "New way to purify water that has MTBE", undated, 1 page;
- 21. Sacramento Bee, "EPA asked to reject MTBE fuel additive", Dec. 10, 1997, 2 pages;
- 22. SN&R, "Trouble on Tap: What's in Sacrament's drinking water?", Dec. 11, 1997, 3 pages;

- 23. Komex-H2O Science, University of Southern California, "Literature Review of Technologies for Treatment of Methyl Tertiary Butyl Ether (MtBE) in Drinking Water", Apr. 22, 1997;
- 24. World Wide Web publications, "Chevron Gasoline Questions and Answers: Methyl Tertiary Butyl Ether (MTBE)", 8 pages;
- 25. World Wide Web publication, <u>"Biodegradation of MTBE and Other Oxygenates"</u>, kulpa3.html at www.nd.edu, 2 pages;
- 26. U.S. Patent No. 5,124,131, class 422/186.3, issued Jun. 23, 1992 to Wekhof;
- 27. U.S. Patent No. 5,170,091, class 313/163, issued Dec. 8, 1992 to Wekhof;
- 28. Water Disinfection with Ultraviolet Light, Aquafine Wedeco Environmental Systems, Inc. brochure, 1996;
- 29. <u>Ultraviolet UV Disinfection in Power Cogeneration</u>, Ultrapure Water, Vo. 12, No. 5, July/August 1995;
- 30. Photolytic oxidation of contaminated water using a high-energy, pulsed ultra-violet flashlamp operating in the blackbody regime, James B. Bender, 1997 OSA Symposium, "UV Sources for Lithography, materials processing, and Biomedical Applications: 2", October 1997;
- 31. U.S. Patent No. 4,910,438, class 315/2412 P, 315/307, issued Mar. 20, 1990 to Farnsworth;
- 32. U.S. Patent No. 4,400,270, class 210/103, issued Aug. 23, 1983 to Hillman;
- 33. U.S. Patent No. 5,789,755, class 250/492.1, issued Aug. 4, 1998 to Bender;
- 34. U.S. Patent No. 5,648,592, class 588/227, issued Jul. 15, 1997 to Pierce;
- 35. Environmental Product Profiles: UVERG Portable UV Detoxification System, National Environment Technology Applicants Corporation, 1 page:
- 36. Geraghty & Miller, Inc., The Groudwater Newsletter: Portable UV Treatment System

Page 3 of 5

Being Commercialized, October 16, 1992, 1 page;

Haztech News: Process Uses Pulsing UV Continuum To Destroy Organics in Water, Air:
 Vol. 7 No.8, April 16, 1992, 1 page;

- Technology Notebook: UV technology nears commercialization, Kimberly A. Roy, 2
 pages;
- Ultraviolet Energy Generators, Inc., Treatment of Contaminated Water, Air, and Soil with UV Flashlamps;, Alex Wekhof, November 1991, 7 pages;
- 40. Technology; The Next Generation of Ultraviolet light technologies, Kimberly Roy, 2 pages;
- 41. Treatment of Groundwater with UV Flashlamps, The Third Generation UV Systems, Alex Wekhof, Edwin Folsom Jr. and Yuval Halpern, November/December 1992, 6 pages;
- 42. WEK-TEC, PUVD Technolog,; Alex Wekhof, 6 pages;
- 43. U.S. Patent No. 5,480,562, U.S. Class No. 210/745, issued Jan. 2, 1996 to Lemelson;
- 44. U.S. Patent No. 5,834,784, U.S. Class No. 250/436, issued Nov. 10, 1998 to Morgan et al.;
- 45. U.S. Patent No. 6, 201,355, U.S. Class No. 315/248, issued Mar. 13, 2001 to Morgan et al.;
- 46. U.S. Patent No. 6, 028,316, U.S. Class No. 250/492.1, issued Feb. 22, 2000 to Bender;
- 47. U.S. Patent No. 4,758,415, U.S. Class No. 424/150, issued Jul. 19, 1988 to Patil;
- 48. U.S. Patent No. 5,846,604, U.S. Class No. 427/245, issued Dec. 8, 1998 to Caldwell;
- 49. U.S. Patent No. 5, 652,050, U.S. Class No. 442/394, issued Jul. 29, 1997 to Pall et al.;
- 50. U.S. Patent No. 5, 891,399, U.S. Class No. 422/121, issued Apr. 6, 1999 to Owesen;
- 51. U.S. Patent No. 5, 954,902, U.S. Class No. 156/145, issued Sep. 21, 1999 to Caldwell;
- 52. U.S. Patent No. 5, 607,593, U.S. Class No. 210/650, issued Mar. 4, 1997 to Cote et al.;

53. U.S. Patent No. 5,686,503, U.S. Class No. 522/36, issued Nov. 11, 1997 to Nohr et al.;

- 54. U.S. Patent No. 5,688,378, U.S. Class No. 204/157.4, issued Nov. 18, 1997 to Khoe et al.;
- U.S. Patent No. 5,741,427, U.S. Class No. 210/747, issued Apr. 21, 1998 to Watts et al.; 55.
- U.S. Patent No. 5,238,581, U.S. Class No. 210/748, issued Aug. 24, 1993 to Frame et al.; 56.
- U.S. Patent No. 4,846,978, U.S. Class No. 210/748, issued Jul. 11, 1989 to Leggett et al.; 57.
- U.S. Patent No. 5,312,534, U.S. Class No. 204/299, issued May 17, 1994 to Liboff et al.; 58.
- U.S. Patent No. 5,215,633, U.S. Class No. 204/155, issued Jun. 1, 1993 to Liboff et al.; 59. and
- U.S. Patent No. 5,837,142, U.S. Class No. 210/650, issued Nov. 17, 1998 to Mullerheim 60. et al.;

Respectfully submitted,

Dated: <u>March 18, 2002</u>

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